

Title (en)

LINE-SCANNING, SAMPLE-SCANNING, MULTIMODAL CONFOCAL MICROSCOPE

Title (de)

MULTIMODALES KONFOKALES PROBENABTASTENDES ZEILENABTASTMIKROSKOP

Title (fr)

MICROSCOPE HOMOFOCAL MULTIMODE À BALAYAGE D'ÉCHANTILLON PAR BALAYAGE DE LIGNE

Publication

EP 3180646 A1 20170621 (EN)

Application

EP 15831576 A 20150813

Priority

- US 201462037030 P 20140813
- US 2015045121 W 20150813

Abstract (en)

[origin: WO2016025751A1] A confocal microscope is provided that includes one or more lasers focused by an optical system into a line on the surface of a sample mounted to a stage. The microscope further includes at least one linear array detector that is optically conjugated to the focused line. The stage permits movement of the sample with respect to all other components of the microscope, which remain stationary.

IPC 8 full level

G02B 21/00 (2006.01)

CPC (source: EP US)

G02B 21/0024 (2013.01 - EP US); **G02B 21/0032** (2013.01 - EP US); **G02B 21/0036** (2013.01 - EP US); **G02B 21/0064** (2013.01 - EP US); **G02B 21/0076** (2013.01 - US); **G02B 21/008** (2013.01 - EP US); **G02B 21/0084** (2013.01 - US); **G02B 21/26** (2013.01 - US); **G02B 21/368** (2013.01 - US); **G02B 26/04** (2013.01 - US)

Cited by

US11237370B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2016025751 A1 20160218; AU 2015301585 A1 20170323; AU 2015301585 B2 20210107; CA 2957941 A1 20160218; CN 107003505 A 20170801; CN 107003505 B 20210305; EP 3180646 A1 20170621; EP 3180646 A4 20180418; EP 3180646 B1 20200401; ES 2800680 T3 20210104; JP 2017524995 A 20170831; JP 6798990 B2 20201209; US 10466460 B2 20191105; US 11391936 B2 20220719; US 2017242230 A1 20170824; US 2020081238 A1 20200312

DOCDB simple family (application)

US 2015045121 W 20150813; AU 2015301585 A 20150813; CA 2957941 A 20150813; CN 201580051488 A 20150813; EP 15831576 A 20150813; ES 15831576 T 20150813; JP 2017528758 A 20150813; US 201515503608 A 20150813; US 201916663124 A 20191024